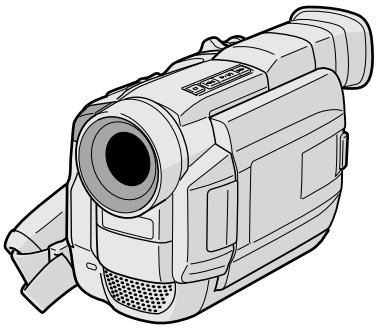
# JVC

# SERVICE MANUAL

## DIGITAL VIDEO CAMERA

# GR-DVL400ED/600ED/707ED



Mini DV PAL

DSC DIGITAL STILL CAMERA

**Regarding service information other than these sections, refer to the GR-DVL200EG service manual (No. 86558). Also, be sure to note important safety precautions provided in the service manual.**

## SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DVL707ED)*

### Camcorder

#### For General

| | |
|---|---|
| **Power supply** | : DC 6.3 V ⎓ (Using AC Power Adapter/Charger)<br>DC 7.2 V ⎓ (Using battery pack) |
| **Power consumption** | |
| **LCD monitor off, viewfinder on** | : Approx. 4.3 W |
| **LCD monitor on, viewfinder off** | : Approx. 5.3 W |
| **Video light** | : Approx. 3.5 W |
| **Dimensions (W x H x D)** | : 80 mm x 96 mm x 170 mm<br>(with the LCD monitor closed and the viewfinder pushed down) |
| **Weight** | : Approx. 580 g |
| **Operating temperature** | : 0°C to 40°C |
| **Operating humidity** | : 35% to 80% |
| **Storage temperature** | : –20°C to 50°C |
| **Pickup** | : 1/4" CCD |
| **Lens** | : F 1.8, f = 3.6 mm to 36 mm, 10:1 power zoom lens |
| **Filter diameter** | : ø37 mm |
| **LCD monitor** | : 3.5" diagonally measured, LCD panel/TFT active matrix system |
| **Viewfinder** | : Electronic viewfinder with 0.24" black/white LCD |
| **Speaker** | : Monaural |

#### For Digital Video Camera

| | |
|---|---|
| **Format** | : DV format (SD mode) |
| **Signal format** | : PAL standard |
| **Recording/Playback format** | : Video : Digital component recording<br>: Audio : PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit) |
| **Cassette** | : Mini DV cassette |
| **Tape speed** | : SP: 18.8 mm/s<br>LP: 12.5 mm/s |
| **Maximum recording time (using 80 min. cassette)** | : SP: 80 min.<br>LP: 120 min. |

#### For Digital Still Camera

| | |
|---|---|
| **Storage media** | : Built-in flash memory, 2 Mbyte |
| **Compression system** | : JPEG (compatible) |
| **File size** | : VGA: 640 x 480 pixels |
| **Picture quality** | : 2 modes (FINE/STANDARD) |
| **Approximate number of storable images** | |
| **FINE** | : 30 |
| **STANDARD** | : 60 |

#### For Connectors

| | |
|---|---|
| **S** | : Y : 1 V (p-p), 75 Ω, analogue output<br>C : 0.29 V (p-p), 75 Ω, analogue output |
| **AV** | |
| **Video output** | : 1 V (p-p), 75 Ω, analogue |
| **Audio output** | : 300 mV (rms), 1 kΩ, analogue, stereo |
| **DV** | |
| **Input/output** | : 4-pin, IEEE 1394 compliant |
| **PC (DIGITAL PHOTO)** | |
| **Digital still output** | : ø2.5 mm, 3-pole |
| **JLIP/EDIT** | : ø3.5 mm, 4-pole |

### AC Power Adapter/Charger AA-V40ED

| | |
|---|---|
| **Power requirement** | : AC 110 V to 240 V∿, 50 Hz/60 Hz |
| **Power consumption** | : 23 W |
| **Output** | |
| **Charge** | : DC 7.2 V ⎓, 1.2 A |
| **VTR** | : DC 6.3 V ⎓, 1.8 A |
| **Dimensions (W x H x D)** | : 68 mm x 38 mm x 110 mm |
| **Weight** | : Approx. 260 g |

***Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.***

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**No. 86567**
**June 2000**

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**The following table indicate main different points betweem models GR-DVL200EG, DVL400ED, DVL600ED and GR-DVL707ED.**

| MODEL / ITEM | GR-DVL200EG | GR-DVL400ED | GR-DVL600ED | GR-DVL707ED |
|---|---|---|---|---|
| DSC | Used | Not used | ← | Used |
| LCD MONITOR | 3.0" | ← | 3.5" | ← |
| DV | Output only | Input/Output | ← | ← |
| ZOOM | 100X | 450X | ← | ← |
| AC POWER ADAPTER CHARGER | AA-V40EG | AA-V40ED | ← | ← |
| CONNECTOR,CABLE ADAPTER | Provided | Optional | ← | ← |
| S CABLE, S-VIDEO CABLE | Optional | Provided | ← | ← |

Note: Mark ← is same as left.

**The following table indicate different parts number between models GR-DVL200EG, DVL400ED, DVL600ED and GR-DVL707ED.**

**PACKING ASSEMBLY <M1> Note: As for IB (INSTRUCTIONS), refer to sec. 5.**

| REF NO. | ITEM / MODEL | GR-DVL200EG | GR-DVL400ED | GR-DVL600ED | GR-DVL707ED |
|---|---|---|---|---|---|
| 1 | PACKING CASE | LY31631-012A | LY31631-015A | LY31631-027A | LY31631-018A |
| 11 | WARRANTY CARD | BT-54013-1 | BT-59011-2 | ← | ← |
| 12 | CD ROM ASSY | LY31074-012A | LY31133-009A | ← | LY31133-011A |
| ⚠ 29 | AC POWER ADAPTER CHARGER | LY20591-003B | LY20591-005B | ← | ← |
| 30 | CORE FILTER | QQR0491-002 | – | – | – |
| 31 | CONNECTOR,CABLE ADAPTER | PEMC1000-01-02 | – | – | – |
| 34 | GUARANTY CARD | – | BT-59012-1 | ← | ← |
| 35 | S CABLE, S-VIDEO CABLE | – | QAM0004-003 | ← | ← |
| 36 | CORE FILTER | – | QQR0491-002 | ← | ← |

**FINAL ASSEMBLY <M2>**

| REF NO. | ITEM / MODEL | GR-DVL200EG | GR-DVL400ED | GR-DVL600ED | GR-DVL707ED |
|---|---|---|---|---|---|
| ⚠ 101 | LOWER CASE ASSY | LY20560-003C | LY20560-004B | ← | ← |
| 111 | UPPER CASE (3) ASSY | LY20550-006C | LY20550-007C | ← | LY20550-006C |
| 127 | TOP COVER(3) | LY20552-009A | LY20552-012A | LY20552-013A | LY20552-014A |
| 149 | KNOB(SLIDE) | LY42168-002A | – | – | LY42168-002A |
| 167 | SPECIAL SCREW, X2 | LY30018-050A | – | – | LY30018-050A |

**MONITOR ASSEMBLY <M5>**

| REF NO. | ITEM / MODEL | GR-DVL200EG | GR-DVL400ED | GR-DVL600ED | GR-DVL707ED |
|---|---|---|---|---|---|
| ⚠ 500 | MONITOR ASSY | LYH20135-009A | LYH20135-015A | LYH20135-014A | LYH20135-011A |
| ⚠ 501 | MONITOR COVER ASSY | LY20565-007A | LY20565-009B | LY20565-010B | LY20565-011B |
| 501G | WINDOW | LY31621-003A | LY31621-001A | ← | LY31621-003A |
| 502 | MONITOR CASE ASSY | LY20598-001A | ← | LY20598-002A | ← |
| 503 | HOLDER(3LCD) | LY20566-001A | LY20566-001B | – | – |
| 504 | HOLDER(3/3.5PWB) | LY20567-001A | ← | LY20568-001A | ← |
| 509 | BACK LIGHT | QLL0080-001 | ← | QLL0081-001 | ← |
| 510 | LCD MODULE | QLD0118-001 | ← | QLD0096-002 | ← |

Note: Mark – is not used. Mark ← is same as left.

**MAIN BOARD ASSEMBLY <01>**

| REF NO. | ITEM / MODEL | GR-DVL200EG | GR-DVL707ED | GR-DVL400ED/600ED |
|---|---|---|---|---|
| PW | MAIN BOARD ASSY | YB10277PB-02 | YB10277PB-04 | YB10277PC-04 |
| SYSCON | | | | |
| IC1015 | IC | TC7W66FK | ← | – |
| R1039 | MG RESISTOR | – | – | NRSA6AJ-103W |
| R1069 | MG RESISTOR | NRSA6AJ-0R0W | ← | – |
| R1070 | MG RESISTOR | NRSA6AJ-0R0W | ← | – |
| R1078 | MG RESISTOR | – | – | NRSA6AJ-103W |
| R1079 | MG RESISTOR | – | – | NRSA6AJ-103W |
| CAMERA DSP | | | | |
| R4301 | MG RESISTOR | NRSA6AJ-560W | ← | – |
| RA4304 | NETWORK RESISTOR | NRZ0034-560W | ← | – |
| RA4305 | NETWORK RESISTOR | NRZ0034-560W | ← | – |
| RA4306 | NETWORK RESISTOR | NRZ0034-560W | ← | – |
| C4336 | CAPACITOR | NDCA1HJ-120W | ← | – |
| OTHER | | | | |
| CN109 | CONNECTOR | QGB0509M1-30X | ← | – |

**MONITOR BOARD ASSEMBLY <02>**

| REF NO. | ITEM / MODEL | GR-DVL200EG | GR-DVL400ED/600ED | GR-DVL707ED |
|---|---|---|---|---|
| PW1 | MONITOR BOARD ASSY | YB10280J1-02 | YB10280M1-02 | YB10280J1-02 |
| R7 | MG RESISTOR | NRSA63J-392X | – | NRSA63J-392X |
| SW6 | SLIDE SWITCH | NSW0099-001X | – | NSW0099-001X |

**LCD BL BOARD ASSEMBLY <03>**

| REF NO. | ITEM / MODEL | GR-DVL200EG | GR-DVL400ED | GR-DVL600ED/707ED |
|---|---|---|---|---|
| PW2 | LCD BL BOARD ASSY | YB10280A2-01 | ← | YB10280B2-01 |

**DSC BOARD ASSEMBLY <10>**

| REF NO. | ITEM / MODEL | GR-DVL200EG | GR-DVL707ED | GR-DVL400ED/600ED |
|---|---|---|---|---|
| PW | DSC BOARD ASSY | YB20879B-01 | ← | – |

Note: Mark – is not used. Mark ← is same as left.

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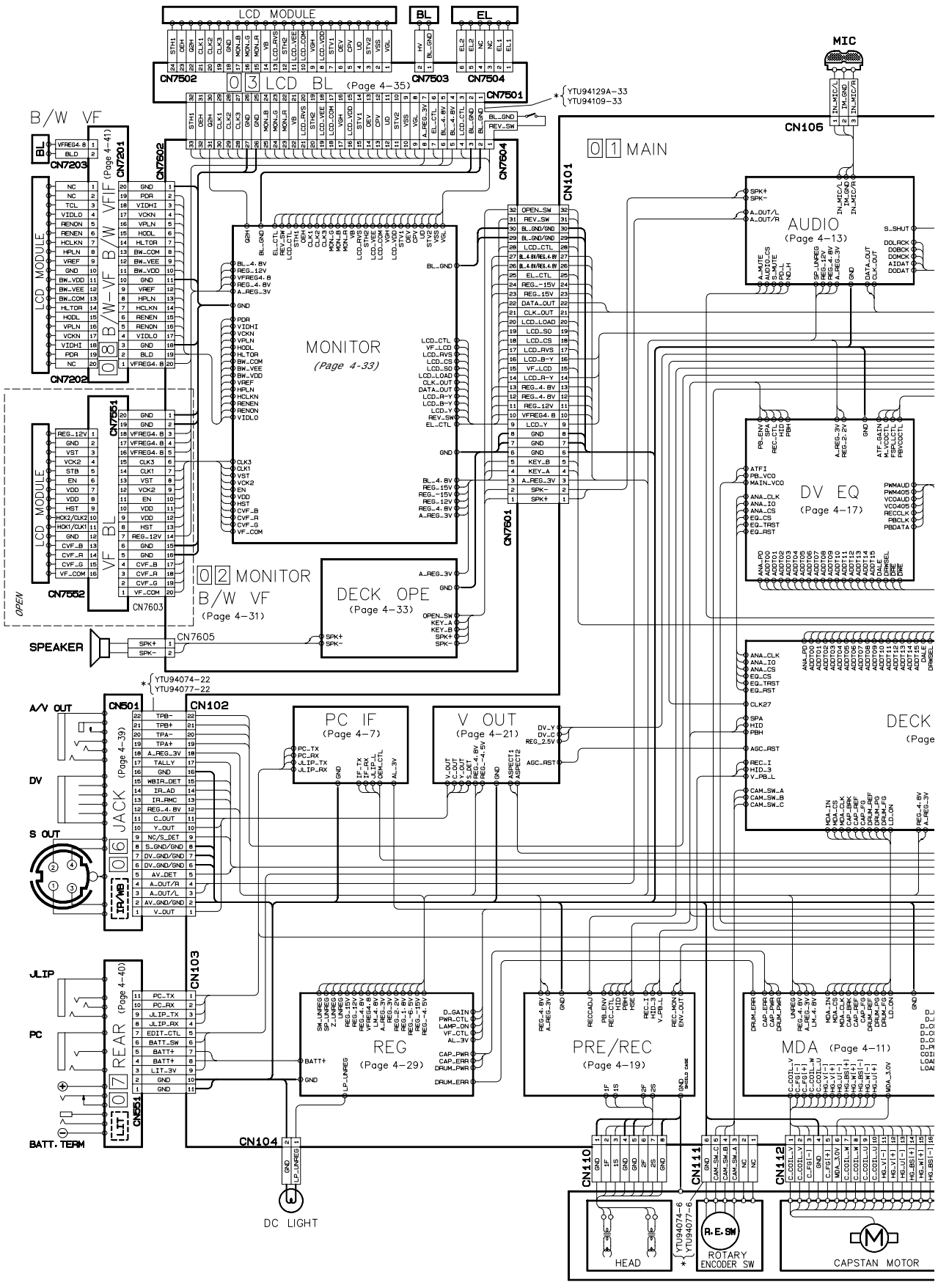
S40894

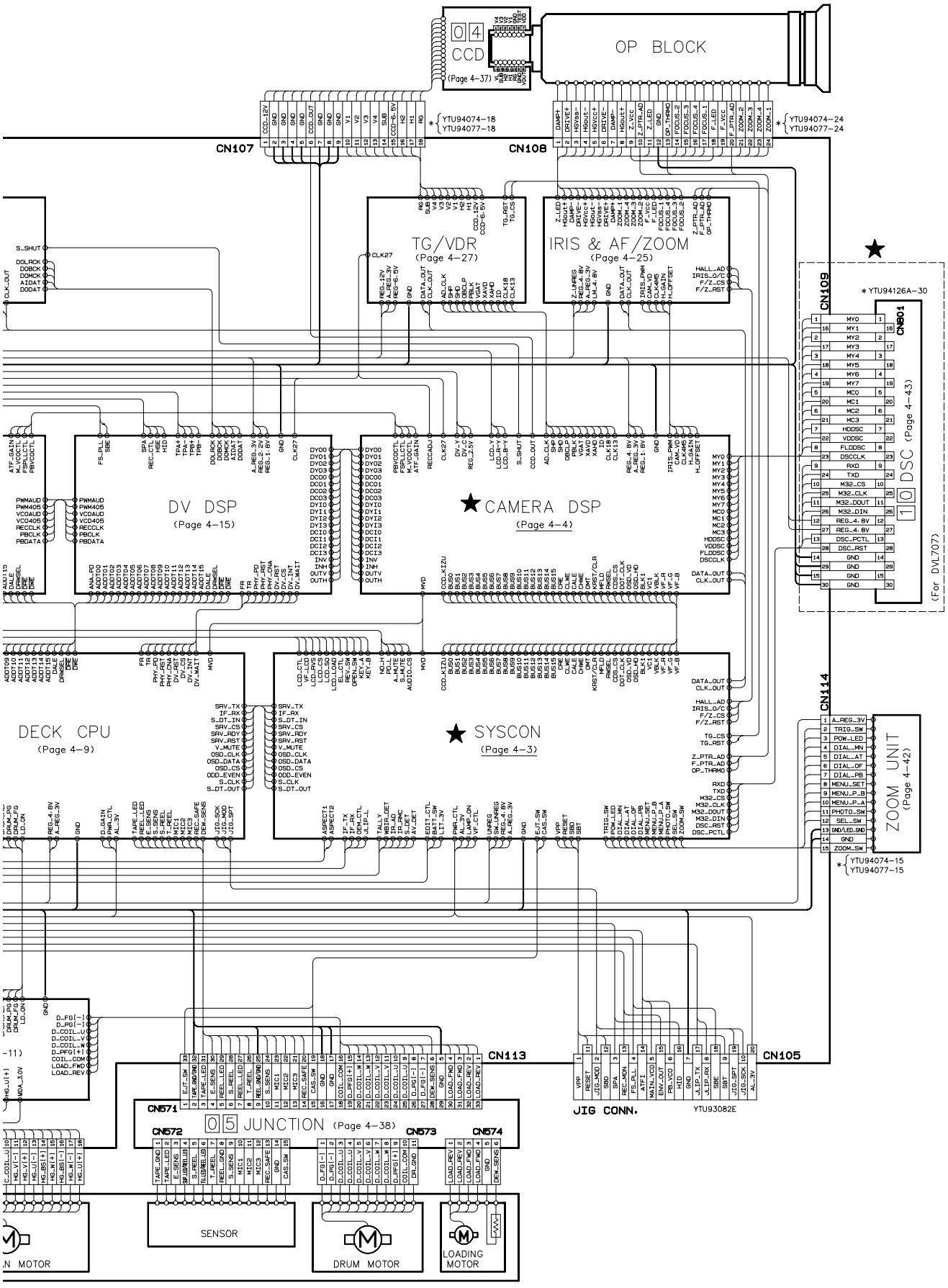
Printed in Japan

# SECTION 4
# CHARTS AND DIAGRAMS

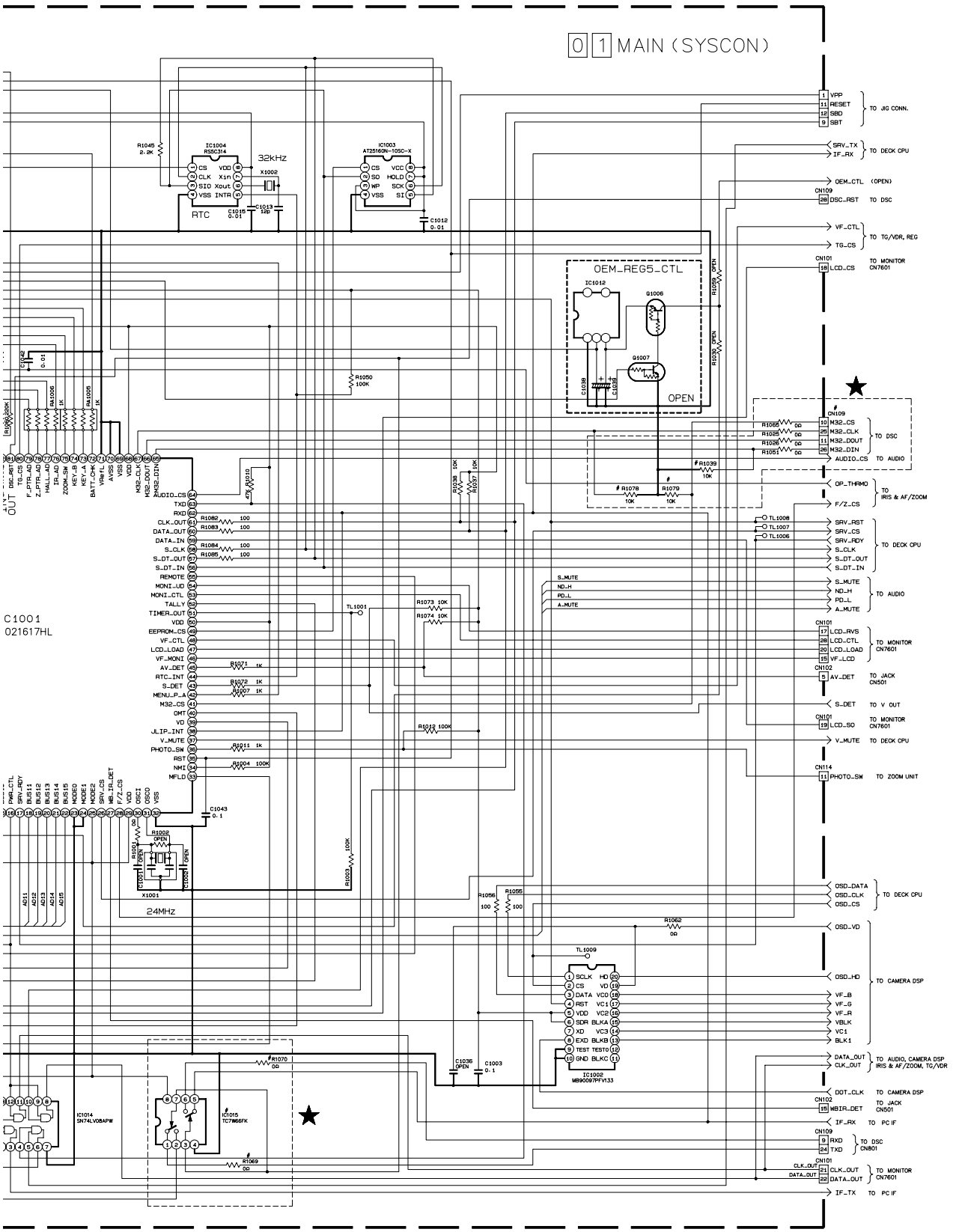
## 4.1 BOARD INTERCONNECTIONS



***Note 1:*** ***How to find the page showing the continuative schematic diagram***
***Example)*** TO AUDIO (Page 4-13): ***Refer to the GR-DVL200EG service manual (No. 86558)***
TO SYSCON (Page 4-3): ***Refer to this service manual***
***2:*** ***The mark ★ means modified points.***



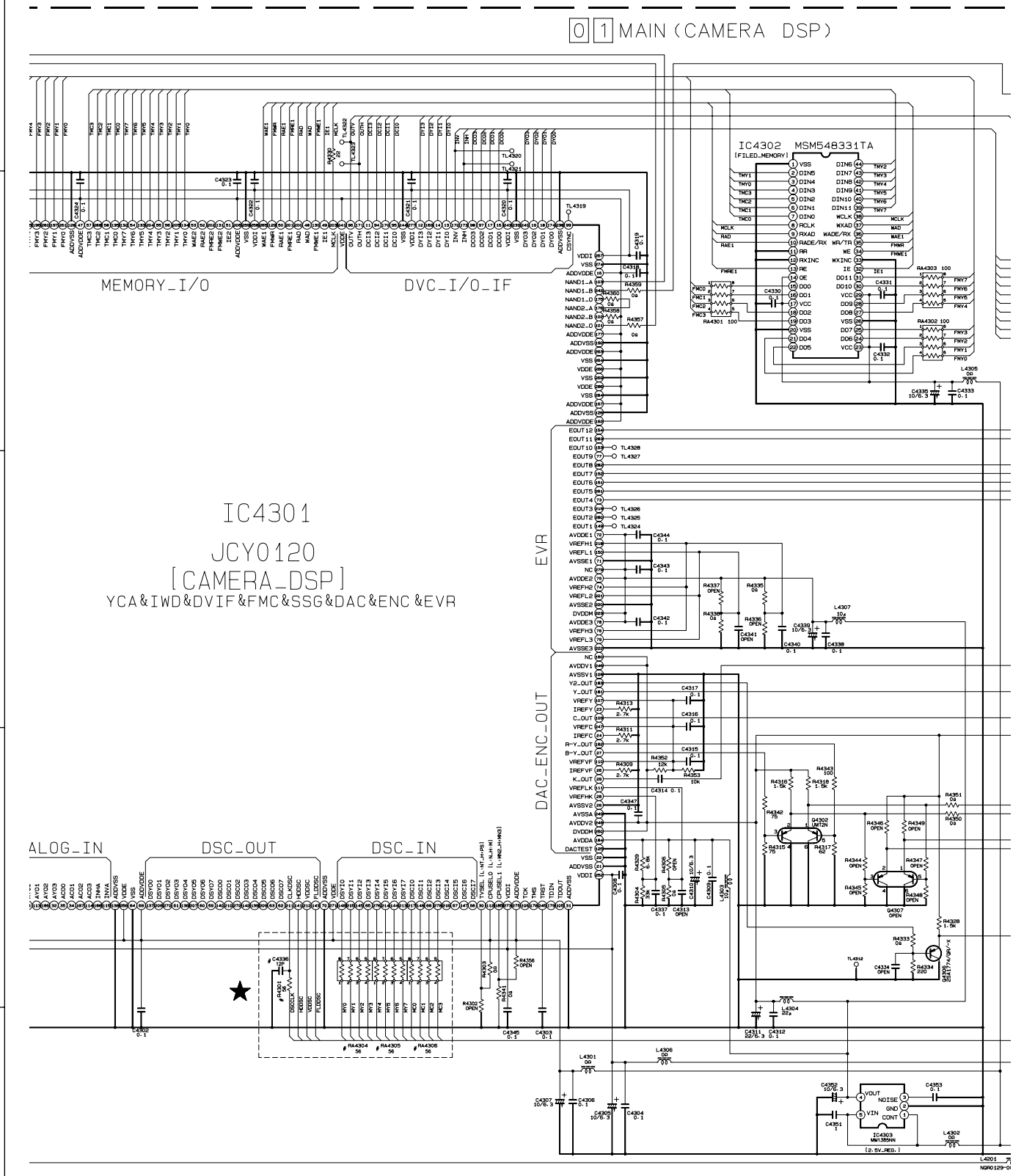
## 4.2 SYSCON SCHEMATIC DIAGRAM




NOTE : COMPARISION CHART OF MODELS & MARKS (#).

| REF. NO / MODELS | IC1015 | R1039 | R1069 R1070 | R1078 R1079 | CN109 |
|---|---|---|---|---|---|
| GR-DVL400/600 | OPEN | USED | OPEN | USED | OPEN |
| GR-DVL707 | USED | OPEN | USED | OPEN | USED |

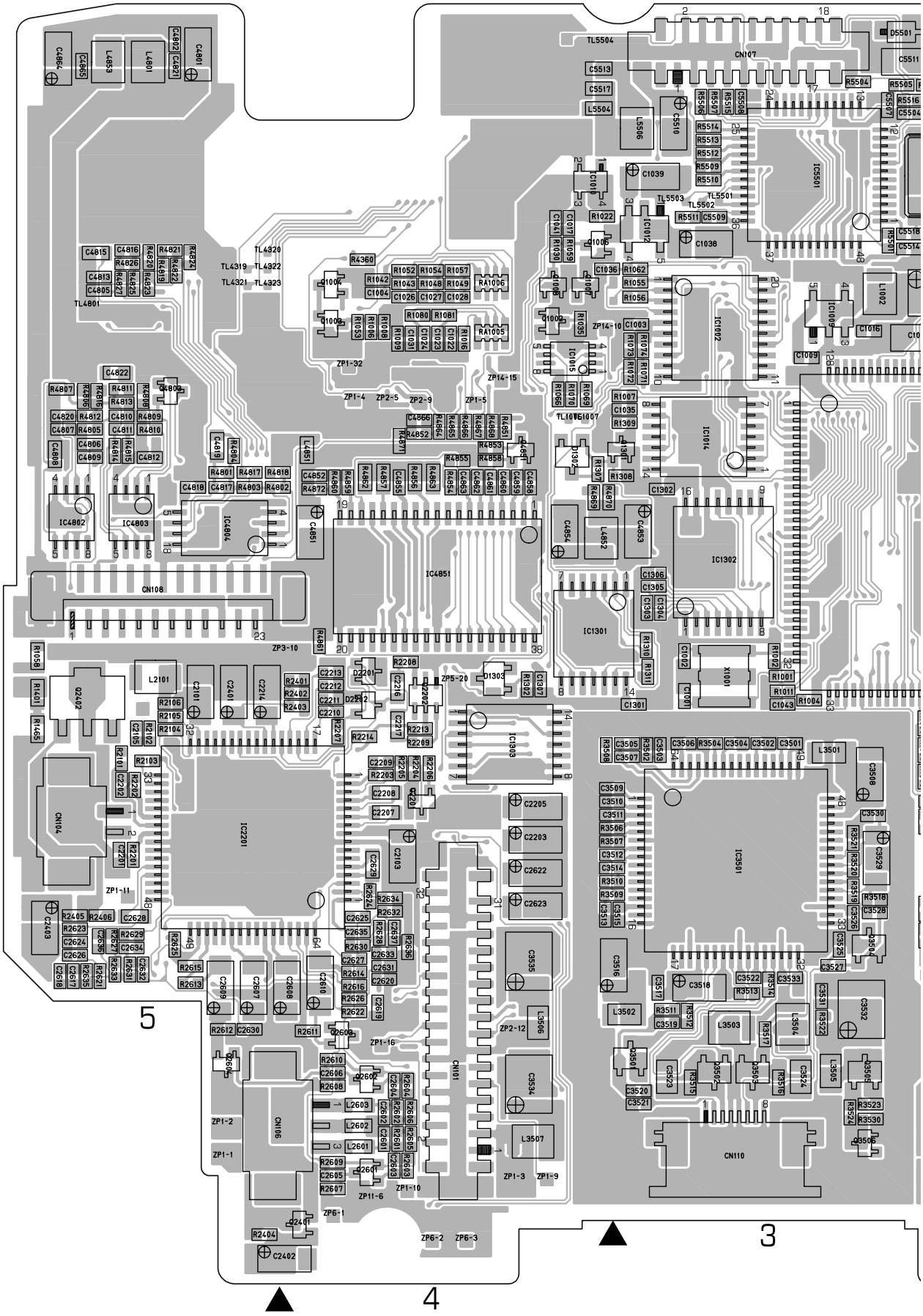
## 4.3 CAMERA DSP SCHEMATIC DIAGRAM



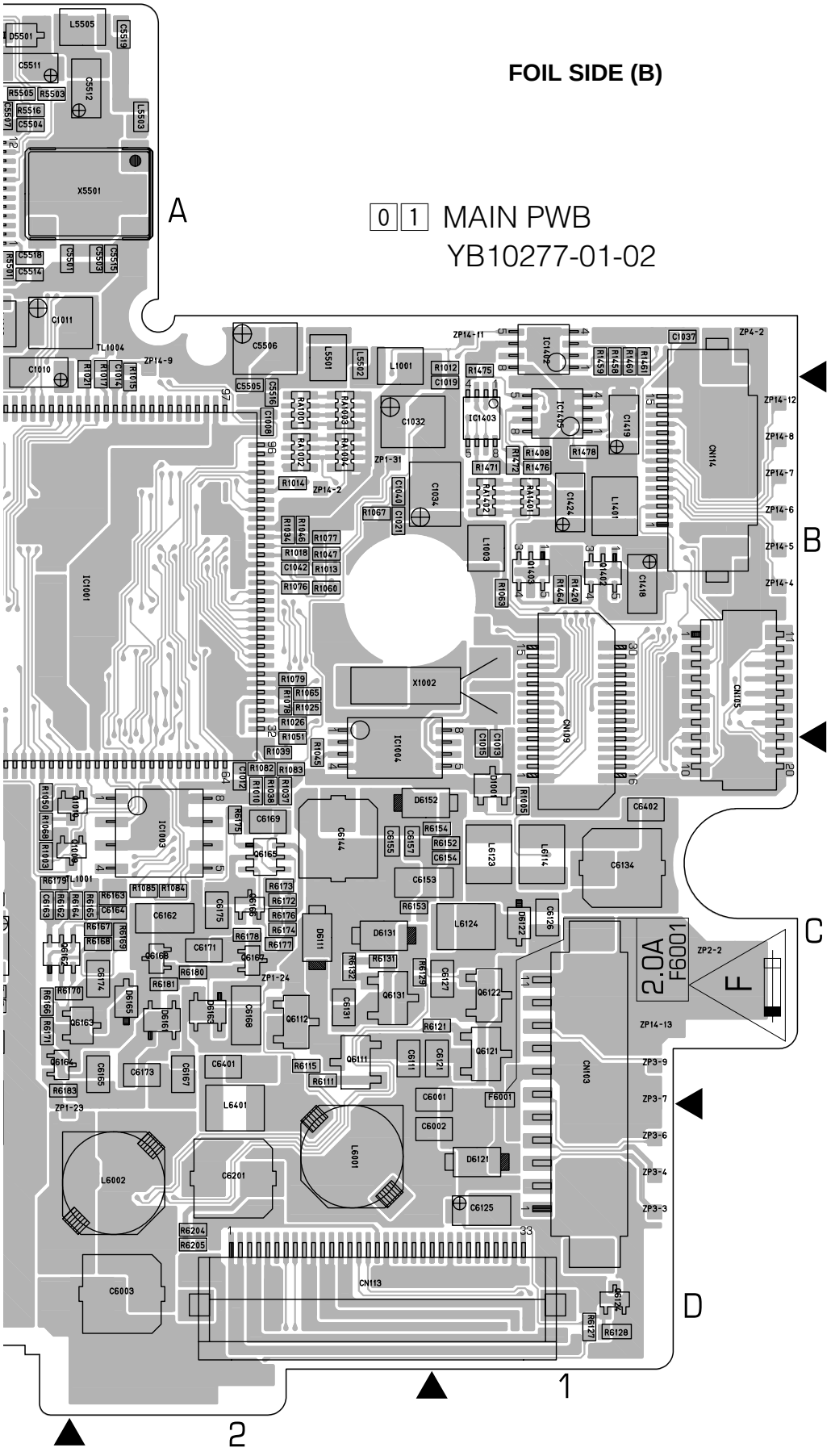

NOTE : COMPARISION CHART OF MODELS & MARKS (#).

| REF. NO / MODELS | R4301 | RA4304 ~ RA4306 | C4336 |
|---|---|---|---|
| GR-DVL400/600 | OPEN | OPEN | OPEN |
| GR-DVL707 | USED | USED | USED |

## 4.4 MAIN CIRCUIT BOARD



**FOIL SIDE (B)**


A
B
C
D
1
2
0 1 MAIN PWB
YB10277-01-02
2.0A
F6001
F
X5501
X1002
IC1001
IC1003
IC1004
IC1402
IC1403
CN103
CN105
CN109
CN113
CN114
L6001
L6002
L6401
L6124
L6123
L6134
C6144
C6201
C6003
C6402
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C6160
C6161
C6162
C6163
C6164

## COMPONENT PARTS LOCATION GUIDE (MAIN)

### CAPACITOR

| REF.No. | LOCATION | | |
|---|---|---|---|
| C1001 | B | C | 3C |
| C1002 | B | C | 3B |
| C1003 | B | C | 3A |
| C1004 | B | C | 4A |
| C1008 | B | C | 2B |
| C1009 | B | C | 3B |
| C1010 | B | C | 3B |
| C1011 | B | C | 3A |
| C1012 | B | C | 2C |
| C1013 | B | C | 1C |
| C1014 | B | C | 2B |
| C1015 | B | C | 1C |
| C1016 | B | C | 3A |
| C1017 | B | C | 4A |
| C1019 | B | C | 1B |
| C1021 | B | C | 2B |
| C1022 | B | C | 4B |
| C1023 | B | C | 4B |
| C1024 | B | C | 4B |
| C1026 | B | C | 4A |
| C1027 | B | C | 4A |
| C1028 | B | C | 4A |
| C1031 | B | C | 4B |
| C1032 | B | C | 2B |
| C1034 | B | C | 1B |
| C1035 | B | C | 3B |
| C1036 | B | C | 4A |
| C1037 | B | C | 1A |
| C1038 | B | C | 3A |
| C1039 | B | C | 3A |
| C1040 | B | C | 2B |
| C1041 | B | C | 4A |
| C1042 | B | C | 2B |
| C1043 | B | C | 3C |
| C1301 | B | C | 3C |
| C1302 | B | C | 3B |
| C1303 | B | C | 3B |
| C1304 | B | C | 3B |
| C1305 | B | C | 3B |
| C1306 | B | C | 3B |
| C1307 | B | C | 4C |
| C1401 | A | C | 2B |
| C1402 | A | C | 2B |
| C1411 | A | C | 2B |
| C1412 | A | C | 2B |
| C1413 | A | C | 2B |
| C1414 | A | C | 2B |
| C1415 | A | C | 2B |
| C1416 | A | C | 2B |
| C1417 | A | C | 2B |
| C1418 | B | C | 1B |
| C1419 | B | C | 1B |
| C1420 | A | C | 3A |
| C1421 | A | C | 3A |
| C1422 | A | C | 3B |
| C1423 | A | C | 3B |
| C1424 | B | C | 1B |
| C1425 | A | C | 3B |
| C1601 | A | C | 1B |
| C1602 | A | C | 1B |
| C1603 | A | C | 1B |
| C1605 | A | C | 1A |
| C1606 | A | C | 1B |
| C1607 | A | C | 1B |
| C1610 | A | C | 1A |
| C1611 | A | C | 1A |
| C1612 | A | C | 1A |
| C1613 | A | C | 1A |
| C1614 | A | C | 1C |
| C1615 | A | C | 1B |
| C1616 | A | C | 1B |
| C1617 | A | C | 1B |
| C1618 | A | C | 1B |
| C1619 | A | C | 1B |
| C1620 | A | C | 1B |
| C1621 | A | C | 1B |
| C1622 | A | C | 1B |
| C1623 | A | C | 1B |
| C1624 | A | C | 1B |
| C1625 | A | C | 1B |
| C1626 | A | C | 1B |
| C1627 | A | C | 1A |
| C1628 | A | C | 1B |
| C1632 | A | C | 1B |
| C1633 | A | C | 2B |
| C1635 | A | C | 2B |
| C1638 | A | C | 1A |
| C1639 | A | C | 1A |
| C1640 | A | C | 1B |
| C1641 | A | C | 1B |
| C1642 | A | C | 1A |
| C2101 | B | C | 5C |
| C2103 | B | C | 4C |
| C2105 | B | C | 5C |
| C2201 | B | C | 5C |
| C2202 | B | C | 5C |
| C2203 | B | C | 4C |
| C2205 | B | C | 4C |
| C2207 | B | C | 4C |
| C2208 | B | C | 4C |
| C2209 | B | C | 4C |
| C2210 | B | C | 4C |
| C2211 | B | C | 4C |
| C2212 | B | C | 4C |
| C2213 | B | C | 4C |
| C2214 | B | C | 5C |
| C2216 | B | C | 4C |
| C2217 | B | C | 4C |
| C2401 | B | C | 5C |
| C2402 | B | C | 4D |
| C2403 | B | C | 5C |
| C2601 | B | C | 4D |
| C2602 | B | C | 4D |
| C2603 | B | C | 4D |
| C2604 | B | C | 4D |
| C2605 | B | C | 4D |
| C2606 | B | C | 4D |
| C2607 | B | C | 5C |
| C2608 | B | C | 4C |
| C2609 | B | C | 5C |
| C2610 | B | C | 4C |
| C2617 | B | C | 5C |
| C2618 | B | C | 5C |
| C2619 | B | C | 4D |
| C2620 | B | C | 4C |
| C2622 | B | C | 4C |
| C2623 | B | C | 4C |
| C2624 | B | C | 5C |
| C2625 | B | C | 4C |
| C2626 | B | C | 5C |
| C2627 | B | C | 4C |
| C2628 | B | C | 5C |
| C2629 | B | C | 4C |
| C2630 | B | C | 5D |
| C2631 | B | C | 4C |
| C2632 | B | C | 5C |
| C2633 | B | C | 4C |
| C2634 | B | C | 5C |
| C2635 | B | C | 4C |
| C2636 | B | C | 5C |
| C2637 | B | C | 4C |
| C3001 | A | C | 3B |
| C3002 | A | C | 3B |
| C3003 | A | C | 3B |
| C3004 | A | C | 3B |
| C3005 | A | C | 3B |
| C3006 | A | C | 3C |
| C3007 | A | C | 4C |
| C3009 | A | C | 4B |
| C3010 | A | C | 4B |
| C3011 | A | C | 4B |
| C3012 | A | C | 4B |
| C3022 | A | C | 3B |
| C3023 | A | C | 4B |
| C3027 | A | C | 4C |
| C3028 | A | C | 4C |
| C3035 | A | C | 4B |
| C3037 | A | C | 4B |
| C3038 | A | C | 4C |
| C3040 | A | C | 4B |
| C3041 | A | C | 4B |
| C3042 | A | C | 4B |
| C3047 | A | C | 4C |
| C3048 | A | C | 4C |
| C3049 | A | C | 4B |
| C3050 | A | C | 4B |
| C3101 | A | C | 5C |
| C3102 | A | C | 5C |
| C3103 | A | C | 5C |
| C3104 | A | C | 5C |
| C3105 | A | C | 5C |
| C3106 | A | C | 5C |
| C3107 | A | C | 5C |
| C3108 | A | C | 4C |
| C3109 | A | C | 5C |
| C3203 | A | C | 3C |
| C3204 | A | C | 3C |
| C3205 | A | C | 3C |
| C3207 | A | C | 3C |
| C3208 | A | C | 3C |
| C3211 | A | C | 3C |
| C3212 | A | C | 3C |
| C3213 | A | C | 3C |
| C3214 | A | C | 2C |
| C3215 | A | C | 2B |
| C3217 | A | C | 3C |
| C3218 | A | C | 3C |
| C3219 | A | C | 2B |
| C3220 | A | C | 3B |
| C3221 | A | C | 4D |
| C3222 | A | C | 2B |
| C3223 | A | C | 2C |
| C3224 | A | C | 2C |
| C3227 | A | C | 3D |
| C3228 | A | C | 3D |
| C3229 | A | C | 3D |
| C3230 | A | C | 3D |
| C3231 | A | C | 4D |
| C3232 | A | C | 4D |
| C3301 | A | C | 3D |
| C3302 | A | C | 3D |
| C3303 | A | C | 4D |
| C3304 | A | C | 4D |
| C3305 | A | C | 3D |
| C3306 | A | C | 3D |
| C3307 | A | C | 4C |
| C3308 | A | C | 4D |
| C3309 | A | C | 3D |
| C3310 | A | C | 3D |
| C3311 | A | C | 4D |
| C3312 | A | C | 4D |
| C3313 | A | C | 4D |
| C3314 | A | C | 4D |
| C3316 | A | C | 4D |
| C3317 | A | C | 4D |
| C3318 | A | C | 4D |
| C3319 | A | C | 4D |
| C3320 | A | C | 4D |
| C3321 | A | C | 3C |
| C3322 | A | C | 3D |
| C3323 | A | C | 3D |
| C3324 | A | C | 3C |
| C3326 | A | C | 3D |
| C3327 | A | C | 3D |
| C3328 | A | C | 4D |
| C3331 | A | C | 3D |
| C3332 | A | C | 3D |
| C3333 | A | C | 3D |
| C3334 | A | C | 3D |
| C3335 | A | C | 3D |
| C3336 | A | C | 3D |
| C3337 | A | C | 3D |
| C3501 | B | C | 3C |
| C3502 | B | C | 3C |
| C3503 | B | C | 3C |
| C3504 | B | C | 3C |
| C3505 | B | C | 3C |
| C3506 | B | C | 3C |
| C3507 | B | C | 3C |
| C3508 | B | C | 3C |
| C3509 | B | C | 3C |
| C3510 | B | C | 3C |
| C3511 | B | C | 3C |
| C3512 | B | C | 3C |
| C3513 | B | C | 4C |
| C3514 | B | C | 3C |
| C3515 | B | C | 3C |
| C3516 | B | C | 3C |
| C3517 | B | C | 3C |
| C3518 | B | C | 3C |
| C3519 | B | C | 3D |
| C3520 | B | C | 3D |
| C3521 | B | C | 3D |
| C3522 | B | C | 3C |
| C3523 | B | C | 3D |
| C3524 | B | C | 3D |
| C3525 | B | C | 3C |
| C3526 | B | C | 3C |
| C3527 | B | C | 3C |
| C3528 | B | C | 3C |
| C3529 | B | C | 3C |
| C3530 | B | C | 3C |
| C3531 | B | C | 3C |
| C3532 | B | C | 3D |
| C3533 | B | C | 3C |
| C3534 | B | C | 4D |
| C3535 | B | C | 4C |
| C3701 | A | C | 5A |
| C3702 | A | C | 5A |
| C3703 | A | C | 5B |
| C3704 | A | C | 5B |
| C3705 | A | C | 5A |
| C3706 | A | C | 5B |
| C3707 | A | C | 5B |
| C3708 | A | C | 5A |
| C3709 | A | C | 5B |
| C3710 | A | C | 5B |
| C3711 | A | C | 5B |
| C3712 | A | C | 5B |
| C3713 | A | C | 5B |
| C3714 | A | C | 5B |
| C4201 | A | C | 5A |
| C4202 | A | C | 5A |
| C4203 | A | C | 5A |
| C4204 | A | C | 5A |
| C4205 | A | C | 5A |
| C4206 | A | C | 5A |
| C4207 | A | C | 5A |
| C4208 | A | C | 5A |
| C4209 | A | C | 4A |
| C4210 | A | C | 5A |
| C4211 | A | C | 5A |
| C4212 | A | C | 5A |
| C4213 | A | C | 5A |
| C4214 | A | C | 5A |
| C4215 | A | C | 4A |
| C4216 | A | C | 5A |
| C4217 | A | C | 4A |
| C4301 | A | C | 3B |
| C4302 | A | C | 3A |
| C4303 | A | C | 4B |
| C4304 | A | C | 3B |
| C4305 | A | C | 3B |
| C4306 | A | C | 3B |
| C4307 | A | C | 3B |
| C4308 | A | C | 4A |
| C4309 | A | C | 4A |
| C4310 | A | C | 5A |
| C4311 | A | C | 5B |
| C4312 | A | C | 4B |
| C4313 | A | C | 4A |
| C4314 | A | C | 4B |
| C4315 | A | C | 4A |
| C4316 | A | C | 4A |
| C4317 | A | C | 4A |
| C4318 | A | C | 4B |
| C4319 | A | C | 3A |
| C4320 | A | C | 4B |
| C4321 | A | C | 3A |
| C4322 | A | C | 4A |
| C4323 | A | C | 3A |
| C4324 | A | C | 4A |
| C4325 | A | C | 4B |
| C4326 | A | C | 4A |
| C4327 | A | C | 3B |
| C4328 | A | C | 3B |
| C4329 | A | C | 3B |
| C4330 | A | C | 2A |
| C4331 | A | C | 3A |
| C4332 | A | C | 3A |
| C4333 | A | C | 2A |
| C4334 | A | C | 4B |
| C4335 | A | C | 3A |
| C4336 | A | C | 3A |
| C4337 | A | C | 4A |
| C4338 | A | C | 3A |
| C4339 | A | C | 3A |
| C4340 | A | C | 3A |
| C4341 | A | C | 3A |
| C4342 | A | C | 3A |
| C4343 | A | C | 3A |
| C4344 | A | C | 3A |
| C4345 | A | C | 3A |
| C4346 | A | C | 4A |
| C4347 | A | C | 4A |
| C4351 | A | C | 3B |
| C4352 | A | C | 3B |
| C4353 | A | C | 3B |
| C4801 | B | C | 5A |
| C4802 | B | C | 5A |
| C4803 | A | C | 5A |
| C4804 | A | C | 5A |
| C4805 | B | C | 5A |
| C4806 | B | C | 5B |
| C4807 | B | C | 5B |
| C4808 | B | C | 5B |
| C4809 | B | C | 5B |
| C4810 | B | C | 5B |
| C4811 | B | C | 5B |
| C4812 | B | C | 5B |
| C4813 | B | C | 5A |
| C4814 | A | C | 5A |
| C4815 | B | C | 5A |
| C4816 | B | C | 5A |
| C4817 | B | C | 5B |
| C4818 | B | C | 5B |
| C4819 | B | C | 5B |
| C4820 | B | C | 5B |
| C4821 | B | C | 5A |
| C4822 | B | C | 5B |
| C4851 | B | C | 4B |
| C4852 | B | C | 4B |
| C4853 | B | C | 3B |
| C4854 | B | C | 4B |
| C4855 | B | C | 4B |
| C4858 | B | C | 4B |
| C4859 | B | C | 4B |
| C4860 | B | C | 4B |
| C4861 | B | C | 4B |
| C4862 | B | C | 4B |
| C4863 | B | C | 4B |
| C4864 | B | C | 5A |
| C4865 | B | C | 5A |
| C4866 | B | C | 4B |
| C5501 | B | C | 3A |
| C5503 | B | C | 2A |
| C5504 | B | C | 3A |
| C5505 | B | C | 2B |
| C5506 | B | C | 2A |
| C5507 | B | C | 3A |
| C5508 | B | C | 3A |
| C5509 | B | C | 3A |
| C5510 | B | C | 3A |
| C5511 | B | C | 3A |
| C5512 | B | C | 2A |
| C5513 | B | C | 4A |
| C5514 | B | C | 3A |
| C5515 | B | C | 2A |
| C5516 | B | C | 2B |
| C5517 | B | C | 4A |
| C5518 | B | C | 3A |
| C5519 | B | C | 2A |
| C6001 | B | C | 1C |
| C6002 | B | C | 1D |
| C6003 | B | C | 2D |
| C6004 | A | C | 2D |
| C6005 | A | C | 2D |
| C6006 | A | C | 2D |
| C6007 | A | C | 2D |
| C6008 | A | C | 2D |
| C6009 | A | C | 2D |
| C6010 | A | C | 2D |
| C6011 | A | C | 2D |
| C6012 | A | C | 2D |
| C6013 | A | C | 2D |
| C6014 | A | C | 2D |
| C6015 | A | C | 2D |
| C6016 | A | C | 2D |
| C6017 | A | C | 3D |
| C6018 | A | C | 3D |
| C6019 | A | C | 3D |
| C6022 | A | C | 2D |
| C6111 | B | C | 2C |
| C6113 | A | C | 2C |
| C6114 | A | C | 2C |
| C6121 | B | C | 1C |
| C6123 | A | C | 1C |
| C6124 | A | C | 1C |
| C6125 | B | C | 1D |
| C6126 | B | C | 1C |
| C6127 | B | C | 1C |
| C6131 | B | C | 2C |
| C6132 | A | C | 1C |
| C6133 | A | C | 2D |
| C6134 | B | C | 1C |
| C6141 | A | C | 1C |
| C6142 | A | C | 1C |
| C6143 | A | C | 1C |
| C6144 | B | C | 2C |
| C6151 | A | C | 2C |
| C6153 | B | C | 2C |
| C6154 | B | C | 1C |
| C6155 | B | C | 2C |
| C6157 | B | C | 2C |
| C6161 | A | C | 2D |
| C6162 | B | C | 2C |
| C6163 | B | C | 3C |
| C6164 | B | C | 2C |
| C6165 | B | C | 2C |
| C6167 | B | C | 2C |
| C6168 | B | C | 2C |
| C6169 | B | C | 2C |
| C6171 | B | C | 2C |
| C6173 | B | C | 2C |
| C6174 | B | C | 2C |
| C6175 | B | C | 2C |
| C6201 | B | C | 2D |
| C6301 | A | C | 3D |
| C6302 | A | C | 3C |
| C6401 | B | C | 2C |
| C6402 | B | C | 1C |

### CONNECTOR

| REF.No. | LOCATION | | |
|---|---|---|---|
| CN101 | B | C | 4D |
| CN102 | A | C | 4D |
| CN103 | B | C | 1D |
| CN104 | B | C | 5C |
| CN105 | B | C | 1B |
| CN106 | B | C | 4D |
| CN107 | B | C | 3A |
| CN108 | B | C | 5B |
| CN109 | B | C | 1C |
| CN110 | B | C | 3D |
| CN111 | A | C | 5B |
| CN112 | A | C | 1D |
| CN113 | B | C | 2D |
| CN114 | B | C | 1B |

### DIODE

| REF.No. | LOCATION | | |
|---|---|---|---|
| D1001 | B | C | 1C |
| D1302 | B | C | 4B |
| D1303 | B | C | 4C |
| D1602 | A | C | 1C |
| D1603 | A | C | 2B |
| D1604 | A | C | 1B |
| D2201 | B | C | 4C |
| D2202 | B | C | 4C |
| D5501 | B | C | 3A |
| D6111 | B | C | 2C |
| D6121 | B | C | 1D |
| D6122 | B | C | 1C |
| D6131 | B | C | 2C |
| D6141 | A | C | 1C |
| D6151 | A | C | 2B |
| D6152 | B | C | 2C |
| D6161 | B | C | 2C |
| D6163 | B | C | 2C |
| D6165 | B | C | 2C |

### IC

| REF.No. | LOCATION | | |
|---|---|---|---|
| IC1001 | B | C | 2B |
| IC1002 | B | C | 3A |
| IC1003 | B | C | 2C |
| IC1004 | B | C | 2C |
| IC1009 | B | C | 3A |
| IC1010 | B | C | 4A |
| IC1012 | B | C | 3A |
| IC1014 | B | C | 3B |
| IC1015 | B | C | 4B |
| IC1301 | B | C | 4B |
| IC1302 | B | C | 3B |
| IC1303 | B | C | 4C |
| IC1401 | A | C | 2B |
| IC1402 | B | C | 1A |
| IC1403 | B | C | 1B |
| IC1405 | B | C | 1B |
| IC1601 | A | C | 1B |
| IC2201 | B | C | 5C |
| IC3001 | A | C | 4B |
| IC3002 | A | C | 4C |
| IC3004 | A | C | 3B |
| IC3005 | A | C | 4B |
| IC3007 | A | C | 3C |
| IC3101 | A | C | 5C |
| IC3201 | A | C | 2C |
| IC3202 | A | C | 4D |
| IC3203 | A | C | 3D |
| IC3301 | A | C | 4D |
| IC3501 | B | C | 3C |
| IC3701 | A | C | 5B |
| IC4201 | A | C | 4A |
| IC4202 | A | C | 5A |
| IC4301 | A | C | 3A |
| IC4302 | A | C | 3A |
| IC4303 | A | C | 3B |
| IC4802 | B | C | 5B |
| IC4803 | B | C | 5B |
| IC4804 | B | C | 5B |
| IC4805 | A | C | 5A |
| IC4851 | B | C | 4B |
| IC5501 | B | C | 3A |
| IC6001 | A | C | 2D |
| IC6301 | A | C | 3D |

### COIL

| REF.No. | LOCATION | | |
|---|---|---|---|
| L1001 | B | C | 2A |
| L1002 | B | C | 3A |
| L1003 | B | C | 1B |
| L1401 | B | C | 1B |
| L1601 | A | C | 1B |
| L1602 | A | C | 1C |
| L2101 | B | C | 5C |
| L2601 | B | C | 4D |
| L2602 | B | C | 4D |
| L2603 | B | C | 4D |
| L3001 | A | C | 4C |
| L3002 | A | C | 3B |
| L3004 | A | C | 4C |
| L3005 | A | C | 3C |
| L3101 | A | C | 5C |
| L3102 | A | C | 5C |
| L3103 | A | C | 5C |
| L3104 | A | C | 5C |
| L3202 | A | C | 3C |
| L3203 | A | C | 3D |
| L3204 | A | C | 3B |
| L3301 | A | C | 3D |
| L3302 | A | C | 4D |
| L3303 | A | C | 3D |
| L3304 | A | C | 4D |
| L3501 | B | C | 3C |
| L3502 | B | C | 3D |
| L3503 | B | C | 3D |
| L3504 | B | C | 3D |
| L3505 | B | C | 3D |
| L3506 | B | C | 4D |
| L3507 | B | C | 4D |
| L3701 | A | C | 5A |
| L3702 | A | C | 5B |
| L4201 | A | C | 5A |
| L4301 | A | C | 3B |
| L4302 | A | C | 3B |
| L4303 | A | C | 5A |
| L4304 | A | C | 5B |
| L4305 | A | C | 2A |
| L4306 | A | C | 3B |
| L4307 | A | C | 3A |
| L4801 | B | C | 5A |
| L4802 | A | C | 5A |
| L4851 | B | C | 4B |
| L4852 | B | C | 4B |
| L4853 | B | C | 5A |
| L5501 | B | C | 2A |
| L5502 | B | C | 2A |
| L5503 | B | C | 2A |
| L5504 | B | C | 4A |
| L5505 | B | C | 2A |
| L5506 | B | C | 3A |
| L6001 | B | C | 2D |
| L6002 | B | C | 2D |
| L6111 | A | C | 1C |
| L6114 | B | C | 1C |
| L6121 | A | C | 1D |
| L6123 | B | C | 1C |
| L6124 | B | C | 1C |
| L6131 | A | C | 1C |
| L6141 | A | C | 1C |
| L6151 | A | C | 2C |
| L6161 | A | C | 2C |
| L6202 | A | C | 1D |
| L6401 | B | C | 2D |

### TRANSISTOR

| REF.No. | LOCATION | | |
|---|---|---|---|
| Q1002 | B | C | 4A |
| Q1003 | B | C | 4A |
| Q1004 | B | C | 4A |
| Q1006 | B | C | 4A |
| Q1007 | B | C | 4A |
| Q1008 | B | C | 4A |
| Q1009 | B | C | 2C |
| Q1010 | B | C | 2C |
| Q1301 | B | C | 3B |
| Q1401 | A | C | 2B |
| Q1402 | B | C | 1B |
| Q1403 | B | C | 1B |
| Q1601 | A | C | 2B |
| Q2201 | B | C | 4C |
| Q2202 | B | C | 4C |
| Q2401 | B | C | 4D |
| Q2402 | B | C | 5C |
| Q2601 | B | C | 4D |
| Q2602 | B | C | 4D |
| Q2603 | B | C | 4D |
| Q2604 | B | C | 5D |
| Q3501 | B | C | 3D |
| Q3502 | B | C | 3D |
| Q3503 | B | C | 3D |
| Q3504 | B | C | 3C |
| Q3505 | B | C | 3D |
| Q3506 | B | C | 3D |
| Q3701 | A | C | 5A |
| Q3702 | A | C | 5A |
| Q3703 | A | C | 5B |
| Q3704 | A | C | 5B |
| Q3705 | A | C | 5B |
| Q3706 | A | C | 5B |
| Q3707 | A | C | 5B |
| Q3708 | A | C | 5A |
| Q3709 | A | C | 5B |
| Q3710 | A | C | 5B |
| Q3711 | A | C | 5B |
| Q4302 | A | C | 4B |
| Q4306 | A | C | 4B |
| Q4307 | A | C | 4B |
| Q4803 | B | C | 5B |
| Q4851 | B | C | 4B |
| Q6111 | B | C | 2C |
| Q6112 | B | C | 2C |
| Q6121 | B | C | 1C |
| Q6122 | B | C | 1C |
| Q6123 | A | C | 1D |
| Q6124 | B | C | 1D |
| Q6131 | B | C | 2C |
| Q6132 | A | C | 2C |
| Q6141 | A | C | 1C |
| Q6151 | A | C | 2B |
| Q6161 | A | C | 2D |
| Q6162 | B | C | 3C |
| Q6163 | B | C | 2C |
| Q6164 | B | C | 3C |
| Q6165 | B | C | 2C |
| Q6166 | B | C | 2C |
| Q6167 | B | C | 2C |
| Q6168 | B | C | 2C |
| Q6201 | A | C | 2C |
| Q6202 | A | C | 2D |
| Q6203 | A | C | 2C |
| Q6301 | A | C | 3D |
| Q6302 | A | C | 3D |
| Q6303 | A | C | 3D |
| Q6304 | A | C | 3D |
| Q6305 | A | C | 2C |

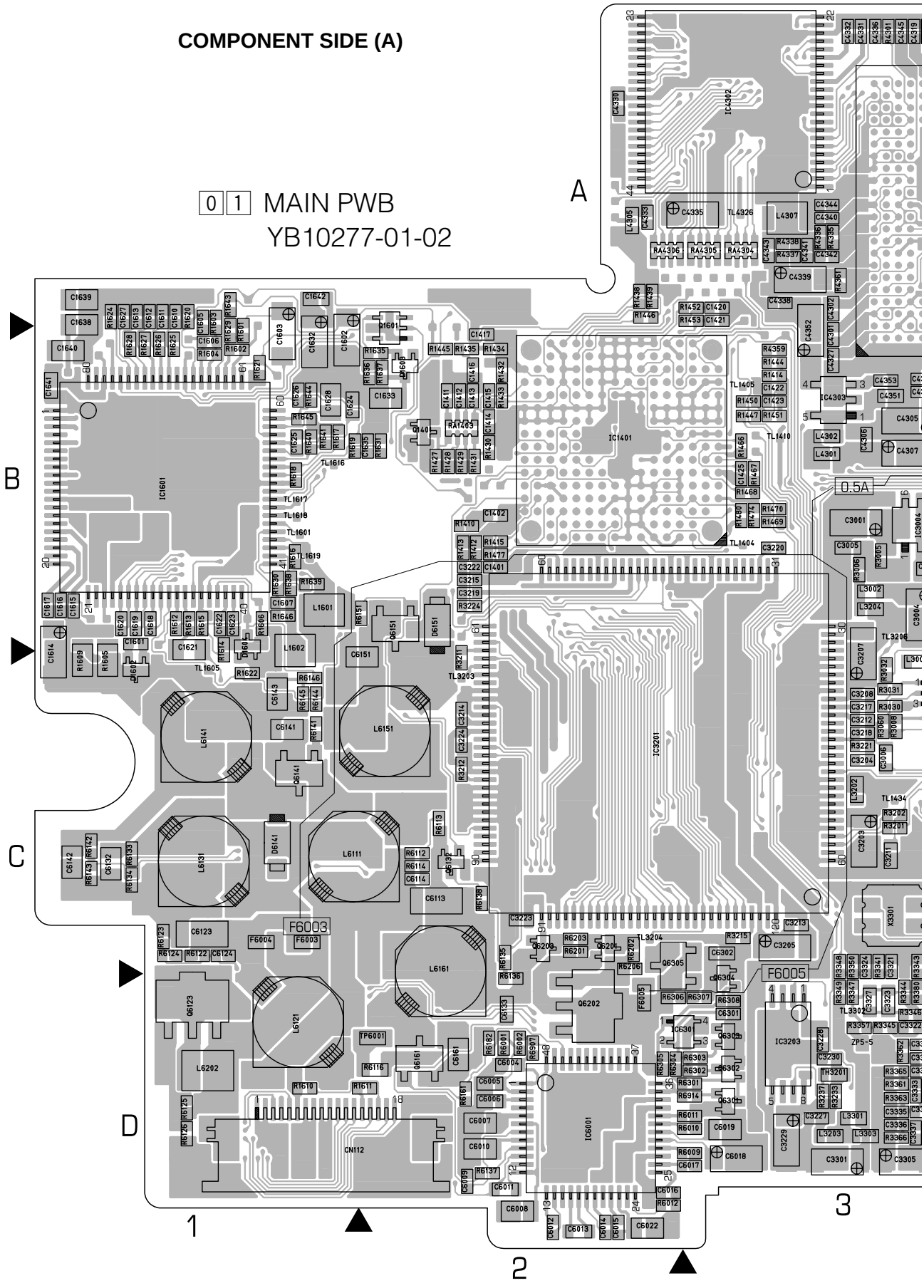
### RESISTOR

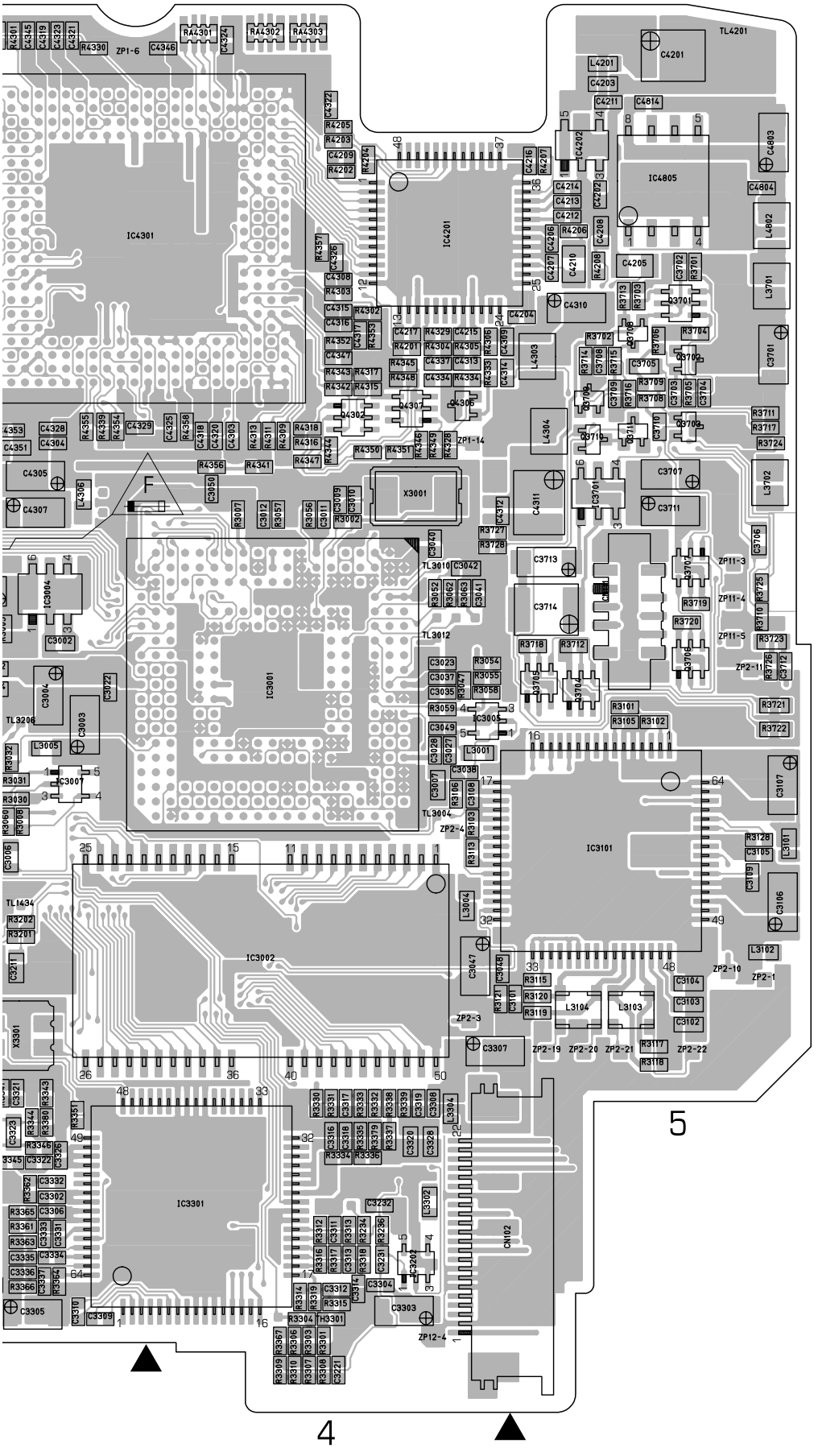
| REF.No. | LOCATION | | |
|---|---|---|---|
| R1001 | B | C | 3C |
| R1002 | B | C | 3B |
| R1003 | B | C | 3C |
| R1004 | B | C | 3C |
| R1005 | B | C | 1C |
| R1006 | B | C | 4A |
| R1007 | B | C | 3B |
| R1008 | B | C | 4A |
| R1009 | B | C | 4B |
| R1010 | B | C | 2C |
| R1011 | B | C | 3C |
| R1012 | B | C | 1A |
| R1013 | B | C | 2B |
| R1014 | B | C | 2B |
| R1015 | B | C | 2B |
| R1016 | B | C | 4B |
| R1017 | B | C | 2B |

| REF.No. | LOCATION | | | REF.No. | LOCATION | | | REF.No. | LOCATION | | | REF.No. | LOCATION | | | REF.No. | LOCATION | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R1018 | B | C | 2B | R1618 | A | C | 1B | R3233 | A | C | 3D | R4317 | A | C | 4B | R6132 | B | C | 2C | TL1617 | A | C | 1B |
| R1021 | B | C | 2B | R1619 | A | C | 1B | R3234 | A | C | 4D | R4318 | A | C | 4B | R6133 | A | C | 1C | TL1618 | A | C | 1B |
| R1022 | B | C | 4A | R1620 | A | C | 1A | R3236 | A | C | 4D | R4328 | A | C | 4B | R6134 | A | C | 1C | TL1619 | A | C | 1B |
| R1025 | B | C | 2B | R1621 | A | C | 1B | R3237 | A | C | 3D | R4329 | A | C | 4A | R6135 | A | C | 2C | TL3004 | A | C | 4C |
| R1026 | B | C | 2B | R1622 | A | C | 1C | R3301 | A | C | 4D | R4330 | A | C | 3A | R6136 | A | C | 2D | TL3005 | A | C | 3B |
| R1030 | B | C | 4A | R1624 | A | C | 1A | R3303 | A | C | 4D | R4333 | A | C | 4B | R6137 | A | C | 2D | TL3006 | A | C | 3B |
| R1034 | B | C | 2B | R1625 | A | C | 1B | R3304 | A | C | 4D | R4334 | A | C | 4B | R6138 | A | C | 2C | TL3007 | A | C | 4B |
| R1035 | B | C | 4A | R1626 | A | C | 1B | R3306 | A | C | 4D | R4335 | A | C | 3A | R6141 | A | C | 1C | TL3008 | A | C | 4B |
| R1037 | B | C | 2C | R1627 | A | C | 1B | R3307 | A | C | 4D | R4336 | A | C | 3A | R6142 | A | C | 1C | TL3010 | A | C | 4B |
| R1038 | B | C | 2C | R1628 | A | C | 1B | R3308 | A | C | 4D | R4337 | A | C | 3A | R6143 | A | C | 1C | TL3011 | A | C | 4B |
| R1039 | B | C | 2C | R1629 | A | C | 1B | R3309 | A | C | 4D | R4338 | A | C | 3A | R6144 | A | C | 1C | TL3012 | A | C | 4B |
| R1042 | B | C | 4A | R1630 | A | C | 1B | R3310 | A | C | 4D | R4339 | A | C | 3B | R6145 | A | C | 1C | TL3201 | A | C | 4D |
| R1043 | B | C | 4A | R1631 | A | C | 2B | R3312 | A | C | 4D | R4341 | A | C | 4B | R6146 | A | C | 1C | TL3202 | A | C | 2B |
| R1045 | B | C | 2C | R1635 | A | C | 2B | R3313 | A | C | 4D | R4342 | A | C | 4B | R6151 | A | C | 2B | TL3203 | A | C | 2C |
| R1046 | B | C | 2B | R1636 | A | C | 2B | R3314 | A | C | 4D | R4343 | A | C | 4B | R6152 | B | C | 1C | TL3204 | A | C | 2C |
| R1047 | B | C | 2B | R1637 | A | C | 2B | R3315 | A | C | 4D | R4344 | A | C | 4B | R6153 | B | C | 2C | TL3205 | A | C | 4D |
| R1048 | B | C | 4A | R1638 | A | C | 1B | R3316 | A | C | 4D | R4345 | A | C | 4A | R6154 | B | C | 1C | TL3206 | A | C | 3B |
| R1049 | B | C | 4A | R1639 | A | C | 1B | R3317 | A | C | 4D | R4346 | A | C | 4B | R6161 | A | C | 2D | TL3301 | A | C | 4D |
| R1050 | B | C | 3C | R1640 | A | C | 1B | R3318 | A | C | 4D | R4347 | A | C | 4B | R6162 | B | C | 3C | TL3302 | A | C | 3D |
| R1051 | B | C | 2C | R1641 | A | C | 1B | R3319 | A | C | 4D | R4348 | A | C | 4B | R6163 | B | C | 2C | TL3701 | A | C | 3A |
| R1052 | B | C | 4A | R1643 | A | C | 1A | R3330 | A | C | 4D | R4349 | A | C | 4B | R6164 | B | C | 2C | TL4201 | A | C | 5A |
| R1053 | B | C | 4A | R1644 | A | C | 1B | R3331 | A | C | 4D | R4350 | A | C | 4B | R6165 | B | C | 2C | TL4301 | A | C | 3A |
| R1054 | B | C | 4A | R1645 | A | C | 1B | R3332 | A | C | 4D | R4351 | A | C | 4B | R6166 | B | C | 3C | TL4302 | A | C | 2A |
| R1055 | B | C | 3A | R1646 | A | C | 1B | R3333 | A | C | 4D | R4352 | A | C | 4A | R6167 | B | C | 2C | TL4303 | A | C | 3A |
| R1056 | B | C | 3A | R2101 | B | C | 5C | R3334 | A | C | 4D | R4353 | A | C | 4A | R6168 | B | C | 2C | TL4304 | A | C | 3A |
| R1057 | B | C | 4A | R2102 | B | C | 5C | R3335 | A | C | 4D | R4354 | A | C | 3B | R6169 | B | C | 2C | TL4305 | A | C | 3A |
| R1058 | B | C | 5B | R2103 | B | C | 5C | R3336 | A | C | 4D | R4355 | A | C | 3B | R6170 | B | C | 2C | TL4308 | A | C | 2A |
| R1059 | B | C | 4A | R2104 | B | C | 5C | R3337 | A | C | 4D | R4356 | A | C | 4B | R6171 | B | C | 3C | TL4309 | A | C | 3A |
| R1060 | B | C | 2B | R2105 | B | C | 5C | R3338 | A | C | 4D | R4357 | A | C | 4A | R6172 | B | C | 2C | TL4310 | A | C | 3A |
| R1062 | B | C | 3A | R2106 | B | C | 5C | R3339 | A | C | 4D | R4358 | A | C | 4B | R6173 | B | C | 2C | TL4311 | A | C | 3A |
| R1063 | B | C | 1B | R2201 | B | C | 5C | R3341 | A | C | 3C | R4359 | A | C | 3B | R6174 | B | C | 2C | TL4312 | A | C | 4B |
| R1065 | B | C | 2B | R2202 | B | C | 5C | R3343 | A | C | 3C | R4360 | B | C | 4A | R6175 | B | C | 2C | TL4319 | B | C | 5A |
| R1066 | B | C | 4B | R2203 | B | C | 4C | R3344 | A | C | 3D | R4361 | A | C | 3A | R6176 | B | C | 2C | TL4320 | B | C | 5A |
| R1067 | B | C | 2B | R2204 | B | C | 4C | R3345 | A | C | 3D | R4801 | B | C | 5B | R6177 | B | C | 2C | TL4321 | B | C | 5A |
| R1068 | B | C | 3C | R2205 | B | C | 4C | R3346 | A | C | 3D | R4802 | B | C | 5B | R6178 | B | C | 2C | TL4322 | B | C | 5A |
| R1069 | B | C | 4B | R2206 | B | C | 4C | R3347 | A | C | 3D | R4803 | B | C | 5B | R6179 | B | C | 3C | TL4323 | B | C | 5A |
| R1070 | B | C | 4B | R2207 | B | C | 4C | R3348 | A | C | 3C | R4804 | B | C | 5B | R6180 | B | C | 2C | TL4324 | A | C | 2A |
| R1071 | B | C | 3B | R2208 | B | C | 4B | R3349 | A | C | 3D | R4805 | B | C | 5B | R6181 | B | C | 2C | TL4325 | A | C | 2A |
| R1072 | B | C | 3B | R2209 | B | C | 4C | R3350 | A | C | 3C | R4806 | B | C | 5B | R6182 | A | C | 2D | TL4326 | A | C | 3A |
| R1073 | B | C | 3B | R2213 | B | C | 4C | R3351 | A | C | 3D | R4807 | B | C | 5B | R6183 | B | C | 3C | TL4327 | A | C | 3A |
| R1074 | B | C | 3B | R2214 | B | C | 4C | R3357 | A | C | 3D | R4808 | B | C | 5B | R6201 | A | C | 2C | TL4328 | A | C | 3A |
| R1076 | B | C | 2B | R2401 | B | C | 4C | R3361 | A | C | 3D | R4809 | B | C | 5B | R6202 | A | C | 2C | TL4801 | B | C | 5A |
| R1077 | B | C | 2B | R2402 | B | C | 4C | R3362 | A | C | 3D | R4810 | B | C | 5B | R6203 | A | C | 2C | TL5501 | B | C | 3A |
| R1078 | B | C | 2B | R2403 | B | C | 4C | R3363 | A | C | 3D | R4811 | B | C | 5B | R6204 | B | C | 2D | TL5502 | B | C | 3A |
| R1079 | B | C | 2B | R2404 | B | C | 5D | R3364 | A | C | 3D | R4812 | B | C | 5B | R6205 | B | C | 2D | TL5503 | B | C | 3A |
| R1080 | B | C | 4A | R2405 | B | C | 5C | R3365 | A | C | 3D | R4813 | B | C | 5B | R6206 | A | C | 2C | TL5504 | B | C | 4A |
| R1081 | B | C | 4A | R2406 | B | C | 5C | R3366 | A | C | 3D | R4814 | B | C | 5B | R6301 | A | C | 3D | TM2 | A | C | 1A |
| R1082 | B | C | 2C | R2601 | B | C | 4D | R3367 | A | C | 4D | R4815 | B | C | 5B | R6302 | A | C | 3D | TM4 | A | C | 4A |
| R1083 | B | C | 2C | R2602 | B | C | 4D | R3379 | A | C | 4D | R4816 | B | C | 5B | R6303 | A | C | 3D | TM6 | A | C | 1A |
| R1084 | B | C | 2C | R2603 | B | C | 4D | R3380 | A | C | 3D | R4817 | B | C | 5B | R6304 | A | C | 2D | TM8 | A | C | 4A |
| R1085 | B | C | 2C | R2604 | B | C | 4D | R3502 | B | C | 3C | R4818 | B | C | 5B | R6305 | A | C | 2D | TP6001 | A | C | 2D |
| R1302 | B | C | 4C | R2605 | B | C | 4D | R3504 | B | C | 3C | R4819 | B | C | 5A | R6306 | A | C | 2D | X1001 | B | C | 3C |
| R1307 | B | C | 4B | R2606 | B | C | 4D | R3506 | B | C | 3C | R4820 | B | C | 5A | R6307 | A | C | 3D | X1002 | B | C | 2B |
| R1308 | B | C | 3B | R2607 | B | C | 4D | R3507 | B | C | 3C | R4821 | B | C | 5A | R6308 | A | C | 3D | X3001 | A | C | 4B |
| R1309 | B | C | 3B | R2608 | B | C | 4D | R3508 | B | C | 4C | R4822 | B | C | 5A | R6907 | A | C | 2D | X3301 | A | C | 3C |
| R1310 | B | C | 3B | R2609 | B | C | 4D | R3509 | B | C | 3C | R4823 | B | C | 5A | R6914 | A | C | 3D | X5501 | B | C | 2A |
| R1311 | B | C | 3C | R2610 | B | C | 4D | R3510 | B | C | 3C | R4824 | B | C | 5A | RA1001 | B | C | 2B | ZP1-1 | B | C | 5D |
| R1401 | B | C | 5C | R2611 | B | C | 4D | R3511 | B | C | 3D | R4825 | B | C | 5A | RA1002 | B | C | 2B | ZP1-10 | B | C | 4D |
| R1408 | B | C | 1B | R2612 | B | C | 5D | R3512 | B | C | 3D | R4826 | B | C | 5A | RA1003 | B | C | 2B | ZP1-11 | B | C | 5C |
| R1410 | A | C | 2B | R2613 | B | C | 5C | R3513 | B | C | 3C | R4827 | B | C | 5A | RA1004 | B | C | 2B | ZP11-3 | A | C | 5B |
| R1412 | A | C | 2B | R2614 | B | C | 4C | R3514 | B | C | 3C | R4851 | B | C | 4B | RA1005 | B | C | 4A | ZP1-14 | A | C | 4B |
| R1413 | A | C | 2B | R2615 | B | C | 5C | R3515 | B | C | 3D | R4852 | B | C | 4B | RA1006 | B | C | 4A | ZP11-4 | A | C | 5B |
| R1414 | A | C | 3B | R2616 | B | C | 4C | R3516 | B | C | 3D | R4853 | B | C | 4B | RA1401 | B | C | 1B | ZP11-5 | A | C | 5B |
| R1415 | A | C | 2B | R2621 | B | C | 5C | R3517 | B | C | 3D | R4854 | B | C | 4B | RA1402 | B | C | 1B | ZP1-16 | B | C | 4D |
| R1420 | B | C | 1B | R2622 | B | C | 4D | R3518 | B | C | 3C | R4855 | B | C | 4B | RA1403 | A | C | 2B | ZP11-6 | B | C | 4D |
| R1427 | A | C | 2B | R2623 | B | C | 5C | R3519 | B | C | 3C | R4856 | B | C | 4B | RA4301 | A | C | 4A | ZP1-2 | B | C | 5D |
| R1428 | A | C | 2B | R2624 | B | C | 4C | R3520 | B | C | 3C | R4857 | B | C | 4B | RA4302 | A | C | 4A | ZP1-23 | B | C | 2D |
| R1429 | A | C | 2B | R2625 | B | C | 5C | R3521 | B | C | 3C | R4858 | B | C | 4B | RA4303 | A | C | 4A | ZP1-24 | B | C | 2C |
| R1430 | A | C | 2B | R2626 | B | C | 4C | R3522 | B | C | 3D | R4859 | B | C | 4B | RA4304 | A | C | 3A | ZP12-4 | A | C | 4D |
| R1431 | A | C | 2B | R2627 | B | C | 5C | R3523 | B | C | 3D | R4860 | B | C | 4B | RA4305 | A | C | 3A | ZP1-3 | B | C | 4D |
| R1432 | A | C | 2B | R2628 | B | C | 4C | R3524 | B | C | 3D | R4861 | B | C | 4B | RA4306 | A | C | 2A | ZP1-31 | B | C | 2B |
| R1433 | A | C | 2B | R2629 | B | C | 5C | R3530 | B | C | 3D | R4862 | B | C | 4B | | | | | ZP1-32 | B | C | 4B |
| R1434 | A | C | 2B | R2630 | B | C | 4C | R3701 | A | C | 5A | R4863 | B | C | 4B | **OTHER** | | | | ZP1-4 | B | C | 4B |
| R1435 | A | C | 2B | R2631 | B | C | 5C | R3702 | A | C | 5A | R4864 | B | C | 4B | F6001 | B | C | 1C | ZP14-10 | B | C | 4A |
| R1438 | A | C | 2A | R2632 | B | C | 4C | R3703 | A | C | 5A | R4865 | B | C | 4B | F6003 | A | C | 1C | ZP14-11 | B | C | 1A |
| R1439 | A | C | 2A | R2633 | B | C | 5C | R3704 | A | C | 5A | R4866 | B | C | 4B | F6004 | A | C | 1C | ZP14-12 | B | C | 1B |
| R1444 | A | C | 3B | R2634 | B | C | 4C | R3705 | A | C | 5B | R4867 | B | C | 4B | F6005 | A | C | 2D | ZP14-13 | B | C | 1C |
| R1445 | A | C | 2B | R2635 | B | C | 5C | R3706 | A | C | 5A | R4868 | B | C | 4B | TH3201 | A | C | 3D | ZP14-15 | B | C | 4B |
| R1446 | A | C | 2A | R2636 | B | C | 4C | R3708 | A | C | 5B | R4869 | B | C | 4B | TH3301 | A | C | 4D | ZP14-2 | B | C | 2B |
| R1447 | A | C | 3B | R3002 | A | C | 4B | R3709 | A | C | 5B | R4870 | B | C | 4B | TL1001 | B | C | 2C | ZP14-4 | B | C | 1B |
| R1450 | A | C | 3B | R3005 | A | C | 3B | R3710 | A | C | 5B | R4871 | B | C | 4B | TL1004 | B | C | 2A | ZP14-5 | B | C | 1B |
| R1451 | A | C | 3B | R3006 | A | C | 3B | R3711 | A | C | 5B | R4872 | B | C | 4B | TL1006 | B | C | 4B | ZP14-6 | B | C | 1B |
| R1452 | A | C | 3A | R3007 | A | C | 4B | R3712 | A | C | 5B | R5501 | B | C | 3A | TL1007 | B | C | 4B | ZP14-7 | B | C | 1B |
| R1453 | A | C | 3A | R3008 | A | C | 3C | R3713 | A | C | 5A | R5503 | B | C | 3A | TL1008 | B | C | 3A | ZP14-8 | B | C | 1B |
| R1458 | B | C | 1A | R3030 | A | C | 3C | R3714 | A | C | 5A | R5504 | B | C | 3A | TL1009 | B | C | 3A | ZP14-9 | B | C | 2A |
| R1459 | B | C | 1A | R3031 | A | C | 3C | R3715 | A | C | 5A | R5505 | B | C | 3A | TL1401 | A | C | 2B | ZP1-5 | B | C | 4B |
| R1460 | B | C | 1A | R3032 | A | C | 3C | R3716 | A | C | 5B | R5506 | B | C | 3A | TL1402 | A | C | 2B | ZP1-6 | A | C | 3A |
| R1461 | B | C | 1A | R3047 | A | C | 4B | R3717 | A | C | 5B | R5507 | B | C | 3A | TL1403 | A | C | 2B | ZP1-9 | B | C | 4D |
| R1464 | B | C | 1B | R3052 | A | C | 4B | R3718 | A | C | 5B | R5509 | B | C | 3A | TL1404 | A | C | 3B | ZP2-1 | A | C | 5C |
| R1465 | B | C | 5C | R3054 | A | C | 4B | R3719 | A | C | 5B | R5510 | B | C | 3A | TL1405 | A | C | 3B | ZP2-10 | A | C | 5C |
| R1466 | A | C | 3B | R3055 | A | C | 4B | R3720 | A | C | 5B | R5511 | B | C | 3A | TL1406 | A | C | 3B | ZP2-11 | A | C | 5B |
| R1467 | A | C | 3B | R3056 | A | C | 4B | R3721 | A | C | 5B | R5512 | B | C | 3A | TL1407 | A | C | 2B | ZP2-12 | B | C | 4D |
| R1468 | A | C | 3B | R3057 | A | C | 4B | R3722 | A | C | 5B | R5513 | B | C | 3A | TL1408 | A | C | 3A | ZP2-19 | A | C | 5C |
| R1469 | A | C | 3B | R3058 | A | C | 4B | R3723 | A | C | 5B | R5514 | B | C | 3A | TL1409 | A | C | 3B | ZP2-2 | B | C | 1C |
| R1470 | A | C | 3B | R3059 | A | C | 4B | R3724 | A | C | 5B | R5515 | B | C | 3A | TL1410 | A | C | 3B | ZP2-20 | A | C | 5C |
| R1471 | B | C | 1B | R3060 | A | C | 3C | R3725 | A | C | 5B | R5516 | B | C | 3A | TL1411 | A | C | 2B | ZP2-21 | A | C | 5C |
| R1472 | B | C | 1B | R3062 | A | C | 4B | R3726 | A | C | 5B | R6001 | A | C | 2D | TL1422 | A | C | 2B | ZP2-22 | A | C | 5C |
| R1474 | A | C | 3B | R3063 | A | C | 4B | R3727 | A | C | 4B | R6002 | A | C | 2D | TL1423 | A | C | 2B | ZP2-3 | A | C | 4C |
| R1475 | B | C | 1B | R3101 | A | C | 5B | R3728 | A | C | 4B | R6009 | A | C | 3D | TL1426 | A | C | 3B | ZP2-4 | A | C | 4C |
| R1476 | B | C | 1B | R3102 | A | C | 5B | R4201 | A | C | 4A | R6010 | A | C | 3D | TL1427 | A | C | 3B | ZP2-5 | B | C | 4B |
| R1477 | A | C | 2B | R3103 | A | C | 4C | R4202 | A | C | 4A | R6011 | A | C | 3D | TL1433 | A | C | 2B | ZP2-9 | B | C | 4B |
| R1478 | B | C | 1B | R3105 | A | C | 5B | R4203 | A | C | 4A | R6012 | A | C | 2D | TL1434 | A | C | 3C | ZP3-10 | B | C | 4B |
| R1480 | A | C | 3B | R3106 | A | C | 4C | R4204 | A | C | 4A | R6111 | B | C | 2C | TL1601 | A | C | 1B | ZP3-3 | B | C | 1D |
| R1601 | A | C | 1B | R3113 | A | C | 4C | R4205 | A | C | 4A | R6112 | A | C | 2C | TL1602 | A | C | 1B | ZP3-4 | B | C | 1D |
| R1602 | A | C | 1B | R3115 | A | C | 5C | R4206 | A | C | 5A | R6113 | A | C | 2C | TL1603 | A | C | 1B | ZP3-6 | B | C | 1D |
| R1603 | A | C | 1A | R3117 | A | C | 5C | R4207 | A | C | 5A | R6114 | A | C | 2C | TL1604 | A | C | 1B | ZP3-7 | B | C | 1C |
| R1604 | A | C | 1B | R3118 | A | C | 5C | R4208 | A | C | 5A | R6115 | B | C | 2C | TL1605 | A | C | 1C | ZP3-9 | B | C | 1C |
| R1605 | A | C | 1C | R3119 | A | C | 5C | R4301 | A | C | 3A | R6116 | A | C | 2D | TL1606 | A | C | 1A | ZP4-1 | B | C | 5C |
| R1606 | A | C | 1B | R3120 | A | C | 5C | R4302 | A | C | 4A | R6121 | B | C | 1C | TL1607 | A | C | 1B | ZP4-2 | B | C | 1A |
| R1609 | A | C | 1C | R3121 | A | C | 4C | R4303 | A | C | 4A | R6122 | A | C | 1C | TL1608 | A | C | 1B | ZP5-20 | B | C | 4C |
| R1610 | A | C | 1D | R3128 | A | C | 5C | R4304 | A | C | 4A | R6123 | A | C | 1C | TL1609 | A | C | 1B | ZP5-5 | A | C | 3D |
| R1611 | A | C | 2D | R3201 | A | C | 3C | R4305 | A | C | 4A | R6124 | A | C | 1C | TL1610 | A | C | 1A | ZP6-1 | B | C | 4D |
| R1612 | A | C | 1B | R3202 | A | C | 3C | R4306 | A | C | 4A | R6125 | A | C | 1D | TL1611 | A | C | 1B | ZP6-2 | B | C | 4D |
| R1613 | A | C | 1B | R3211 | A | C | 2C | R4309 | A | C | 4B | R6126 | A | C | 1D | TL1612 | A | C | 1B | ZP6-3 | B | C | 4D |
| R1614 | A | C | 1B | R3212 | A | C | 2C | R4311 | A | C | 4B | R6127 | B | C | 1D | TL1613 | A | C | 1B | | | | |
| R1615 | A | C | 1B | R3215 | A | C | 3C | R4313 | A | C | 4B | R6128 | B | C | 1D | TL1614 | A | C | 1B | | | | |
| R1616 | A | C | 1B | R3221 | A | C | 3C | R4315 | A | C | 4B | R6129 | B | C | 2C | TL1615 | A | C | 1B | | | | |
| R1617 | A | C | 1B | R3224 | A | C | 2B | R4316 | A | C | 4B | R6131 | B | C | 2C | TL1616 | A | C | 1B | | | | |

**COMPONENT SIDE (A)**

0 1 MAIN PWB
YB10277-01-02




IC4301
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IC4805
IC3001
IC3002
IC3101
IC3301
IC3004
IC3005
IC3007
X3001
X3301
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TL3010
TL3012
TL3004
TL3206
TL1434
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ZP2-11
ZP2-10
ZP2-1
ZP2-3
ZP2-4
ZP2-19
ZP2-20
ZP2-21
ZP2-22
ZP12-4
F
5
4

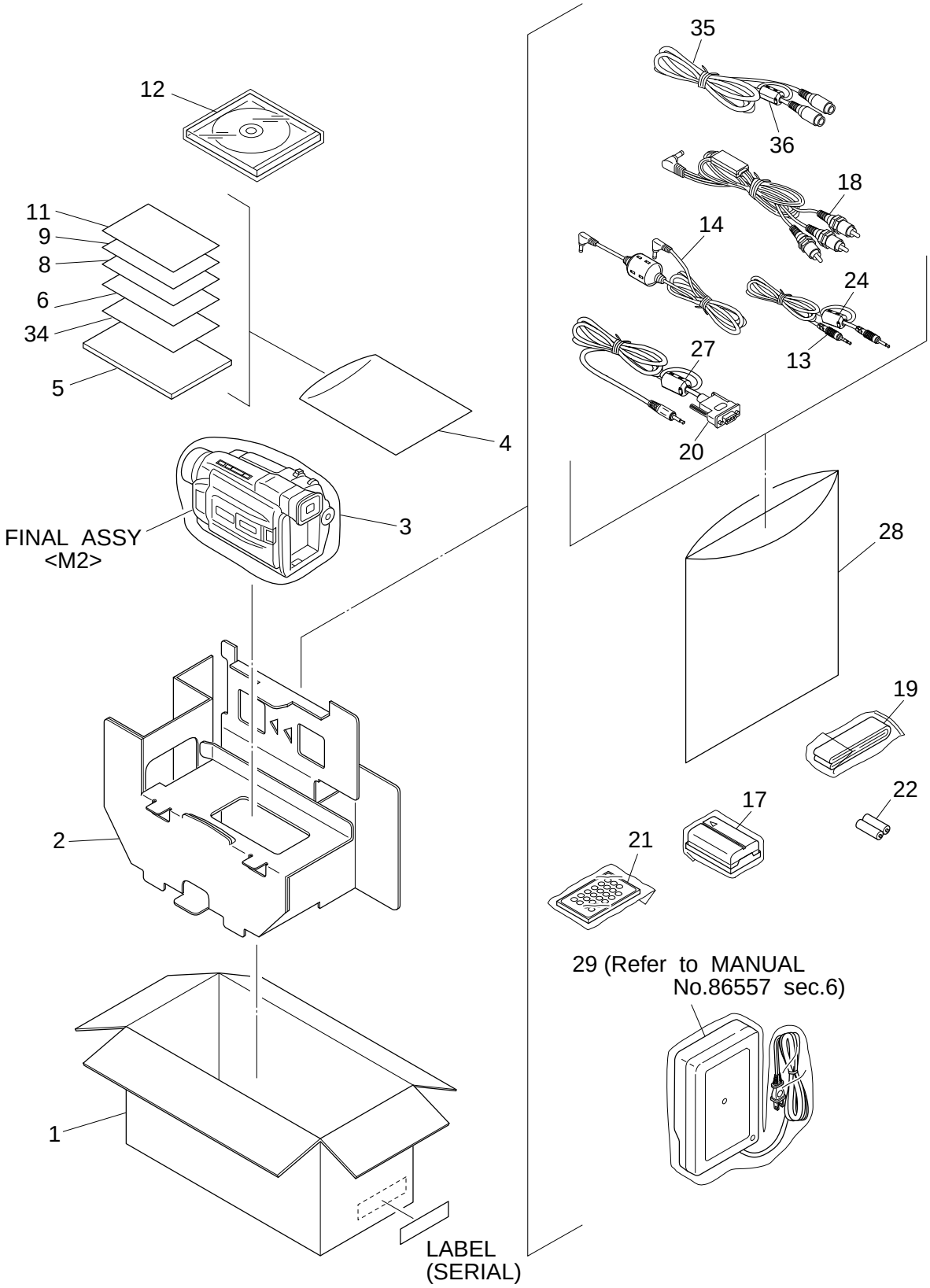
# SECTION 5
# PARTS LIST

## SAFETY PRECAUTION

**Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.**

### 5.1 PACKING ASSEMBLY <M1>

**The instruction manual to be provided with this product will differ according to the destination.**



| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|---|---|

✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻

## PACKING ASSEMBLY <M1>

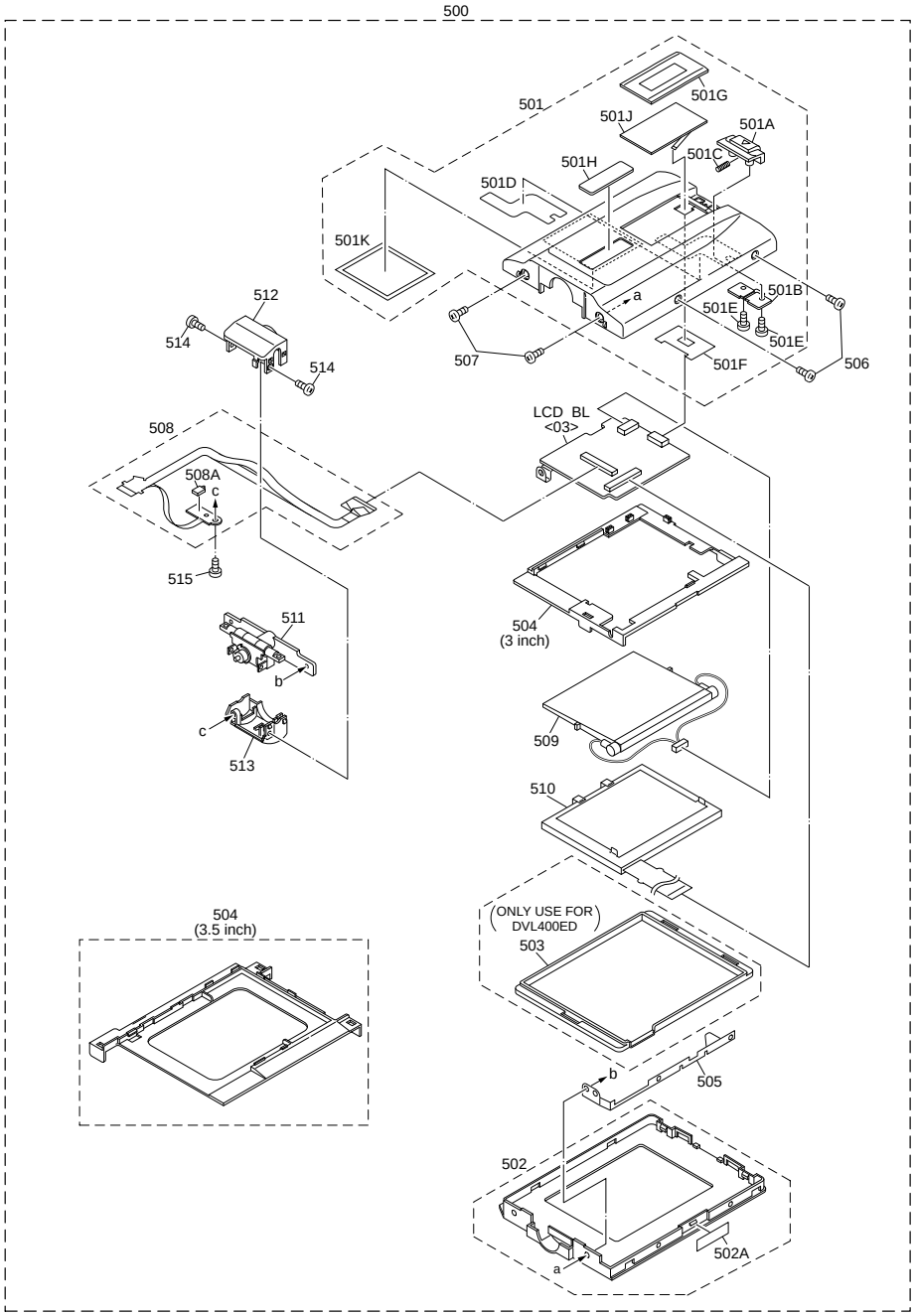
| | | | |
|---|---|---|---|
| | 1 | LY31631-015A | PACKING CASE,A |
| | | LY31631-018A | PACKING CASE,C |
| | | LY31631-027A | PACKING CASE,B |
| | 2 | LY31632-001A | CUSHION |
| | 3 | LY30023-008A | POLY BAG |
| | 4 | QPA02003006 | POLY BAG |
| ⚠ | 5 | LYT0595-001A | IB(EN),A,B |
| ⚠ | | LYT0595-002A | IB(CH),A,B |
| ⚠ | | LYT0595-003A | IB(RU),A,B |
| ⚠ | | LYT0596-001A | IB(EN),C |
| ⚠ | | LYT0596-002A | IB(CH),C |
| ⚠ | | LYT0596-003A | IB(RU),C |
| | 6 | LYT0598-001A | IB(SOFT.SETUP),A,B |
| | | LYT0599-001A | IB(SOFT.SETUP),C |
| | 8 | LYT0378-003A | SHEET(AGREMENT) |
| | 9 | LYT0162-021A | ACC.LEAFLET |
| | 11 | BT-59011-2 | WARRANTY CARD |
| | 12 | LY31133-009A | CD ROM ASSY,A,B |
| | | LY31133-011A | CD ROM ASSY,C |
| | 13 | QAM0214-001 | RM CABLE,EDITING CABLE |
| | 14 | QAM0170-001 | DC CORD |
| ⚠ | 17 | LY31587-001A | BATTERY PACK,BN-V408U |
| | 18 | QAM0212-001 | CABLE ASSY,AUDIO/VIDEO CABLE |
| | 19 | LY20186-001A | SHOULDER STRAP |
| | 20 | QAM0084-001 | PC CONNECTION CABLE |
| | 21 | LY20543-002A | REMOTE CONTROL UNIT |
| | 22 | – | BATTERY,AAA(R03),X2 |
| | 24 | QQR0491-002 | CORE FILTER |
| | 27 | QQR0491-002 | CORE FILTER |
| | 28 | QPGA017-03005 | POLY BAG |
| ⚠ | 29 | LY20591-005B | AC POWER ADAPTER CHARGER,AA-V40ED |
| | 34 | BT-59012-1 | GUARANTY CARD |
| | 35 | QAM0004-003 | S CABLE,S-VIDEO CABLE |
| | 36 | QQR0491-002 | CORE FILTER |

| MODEL | MARK |
|---|---|
| GR-DVL400ED | A |
| GR-DVL600ED | B |
| GR-DVL707ED | C |

- **INSTRUCTIONS**

EN ..... ENGLISH
CH ..... CHINESE
RU ..... RUSSIAN

## 5.2 MONITOR ASSEMBLY <M5>




| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|---|---|
| ✻ | ✻ | ✻ | ✻ | ✻ |

### MONITOR ASSEMBLY <M5>

| | | | |
|---|---|---|---|
| ⚠ | 500 | LYH20135-011A | MONITOR ASSY,C |
| ⚠ | | LYH20135-014A | MONITOR ASSY,B |
| ⚠ | | LYH20135-015A | MONITOR ASSY,A |
| ⚠ | 501 | LY20565-009B | MONITOR COVER ASSY,A |
| ⚠ | | LY20565-010B | MONITOR COVER ASSY,B |
| ⚠ | | LY20565-011B | MONITOR COVER ASSY,C |
| | 501A | LY31620-001A | KNOB(LOCK 1) |
| | 501B | LY42180-001A | KNOB(LOCK 2) |
| | 501C | LY30002-044A | COMPRES. SPRING |
| | 501D | LY42386-001A | EARTH MON |
| | 501E | LY30018-011A | SPECIAL SCREW,X2 |
| | 501F | LY42368-001A | SHEET(MON) |
| | 501G | LY31621-001A | WINDOW,A,B |
| | | LY31621-003A | WINDOW,C |
| | 501H | LY42162-001A | MARK |
| | 501J | LY42193-001A | EL(WINDOW) |
| | 501K | LY40559-001A | SHIELD SHEET |
| | 502 | LY20598-001A | MONITOR CASE ASSY,A |
| | | LY20598-002A | MONITOR CASE ASSY,B,C |
| | 502A | LY42388-001A | EARTH MON(2) |
| | 503 | LY20566-001B | HOLDER(3LCD),A |
| | 504 | LY20567-001A | HOLDER(3PWB),A |
| | | LY20568-001A | HOLDER(3.5PWB),B,C |
| | 505 | LY31622-001A | BRACKET(EARTH) |
| | 506 | QYSPSPT1730R | SCREW,X2 |
| | 507 | QYSLSP2040D | SCREW,X2 |
| | 508 | LY31743-001A | MONI.FPC ASSY |
| | 508A | NSW0095-001X | DETECT SWITCH |
| | 509 | QLL0080-001 | BACK LIGHT,A |
| | | QLL0081-001 | BACK LIGHT,B,C |
| | 510 | QLD0096-002 | LCD MODULE,B,C |
| | | QLD0118-001 | LCD MODULE,A |
| | 511 | LY31236-003A | HINGE ASSY |
| | 512 | LY31624-001A | HINGE COVER(1) |
| | 513 | LY31625-001A | HINGE COVER(2) |
| | 514 | LY30018-058A | SPECIAL SCREW,X2 |
| | 515 | LY30018-023A | SPECIAL SCREW |